

WHAT IS CLAIMED IS:

- 5 1. Transparent or translucent thermoplastic composition comprising a thermoplastic polycarbonate resin and a phosphorescent phosphor with a aluminate matrix expressed by MAI_2O_4 in which M is at least one metal element selected from calcium, strontium and barium, wherein the phosphor is present in a quantity of 0.01 to 2.0 % by weight with respect to the quantity of polycarbonate resin and possesses a median particle size of less than 10 micrometer.
2. Transparent or translucent thermoplastic composition of claim 1 further comprising one or more other polymers.
3. Transparent or translucent thermoplastic composition according to claim 1 wherein the phosphor has a median particle size below 5.0 micrometer and a maximum particle diameter of 10 micrometer.
4. Transparent or translucent thermoplastic composition according to claim 1 wherein the aluminate has been doped with Europium.
5. Transparent or translucent thermoplastic composition according to claim 1 wherein the aluminate has been doped with Europium and at least one co-dopant.
6. Transparent or translucent thermoplastic composition according to claim 1 comprising a scattering agent.
7. Transparent or translucent thermoplastic composition according to claim 1 wherein colorants have been added to provide daylight color.
8. Process for forming objects from the transparent or translucent thermoplastic compositions of any of the preceding claims by injection molding.
9. Objects formed by injection molding of the transparent or translucent thermoplastic composition of any of the previous claims.

T09080-429226601